

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|-------------------------------|------------------|---------|------------------|
| L1 | 175414 | (spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SFSV or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tnr\$1 or mram\$1 or magnetic adj2 memor\$3 or magnetic adj random adj access adj memor\$3 or DSV or TJM or MTJ or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls. or 428/811-811.5.ccls. or 148/108.ccls. | FPRS; EPO; JPO; DERWENT | ADJ | OFF | 2007/01/03 16:20 |
| L2 | 27374 | (Ferripin\$6 or ferri adj pin\$6 or ruthenium or Ru or ferrimagnet\$5 or ferri adj2 magnet\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5 or exchange) adj2 coupling\$1) or APC or AAF or SyAF or SAF or synthetic\$4 adj2 (antiferro or antiferromagnet\$5 or anti adj ferromagnet\$5 or coupling) or artificial adj2 (antiferro or anti adj ferromagnet\$5 or antiferromagnet\$5) or MSSV or SSV or AP1 or AP2 or APC1 or APC2 or AFC or ((reference or keeper) near2 layer\$1)).clm. | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:20 |

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|----|-------|---|--------------------|-----|-----|------------------|
| L3 | 47254 | ((spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SFSV or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tnr\$1 or mram\$1 or magnetic adj2 memor\$3 or magnetic adj random adj access adj memor\$3 or DSV or TJM or MTJ or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1))).clm. | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:25 |
| L4 | 3320 | (coercivit\$4 or Oe).clm. | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:26 |
| L5 | 311 | 2 and 3 and 4 | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:26 |
| L6 | 20081 | (Ru or ruthenium).clm. | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:26 |
| L7 | 127 | 5 and 6 | US-PGPUB; USPAT | ADJ | OFF | 2007/01/03 16:26 |